Figure 1

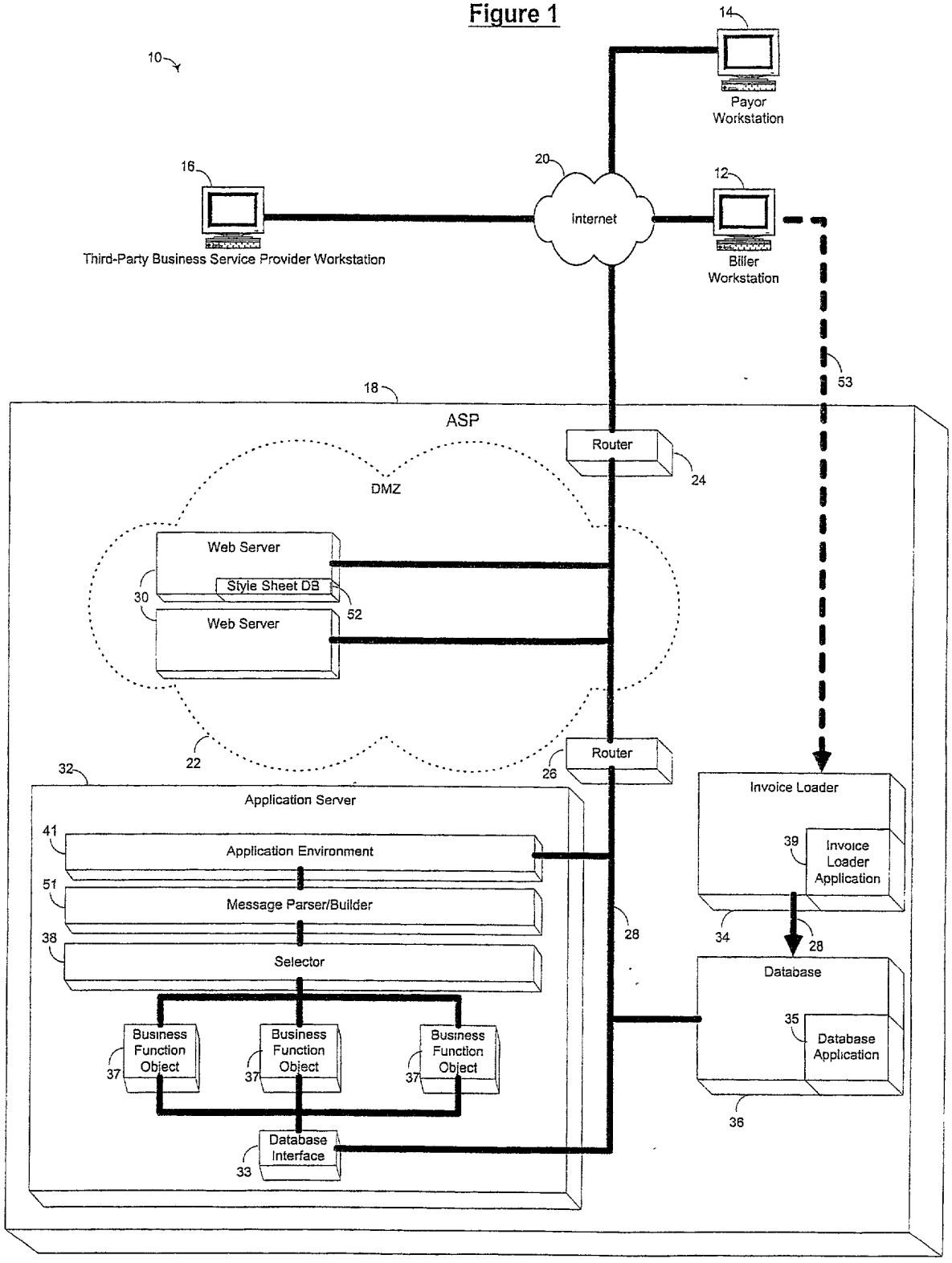

10
14
Payor Workstation
16
20
12
Internet
Third-Party Business Service Provider Workstation
Biller Workstation
53
18
ASP
Router
24
DMZ
Web Server
Style Sheet DB
30
52
Web Server
22
Router
26
32
Application Server
Invoice Loader
41
Application Environment
39
Invoice Loader Application
51
Message Parser/Builder
28
38
Selector
34
28
Database
Business Function Object
37
Business Function Object
37
Business Function Object
37
35
Database Application
36
Database Interface
33

Figure 2

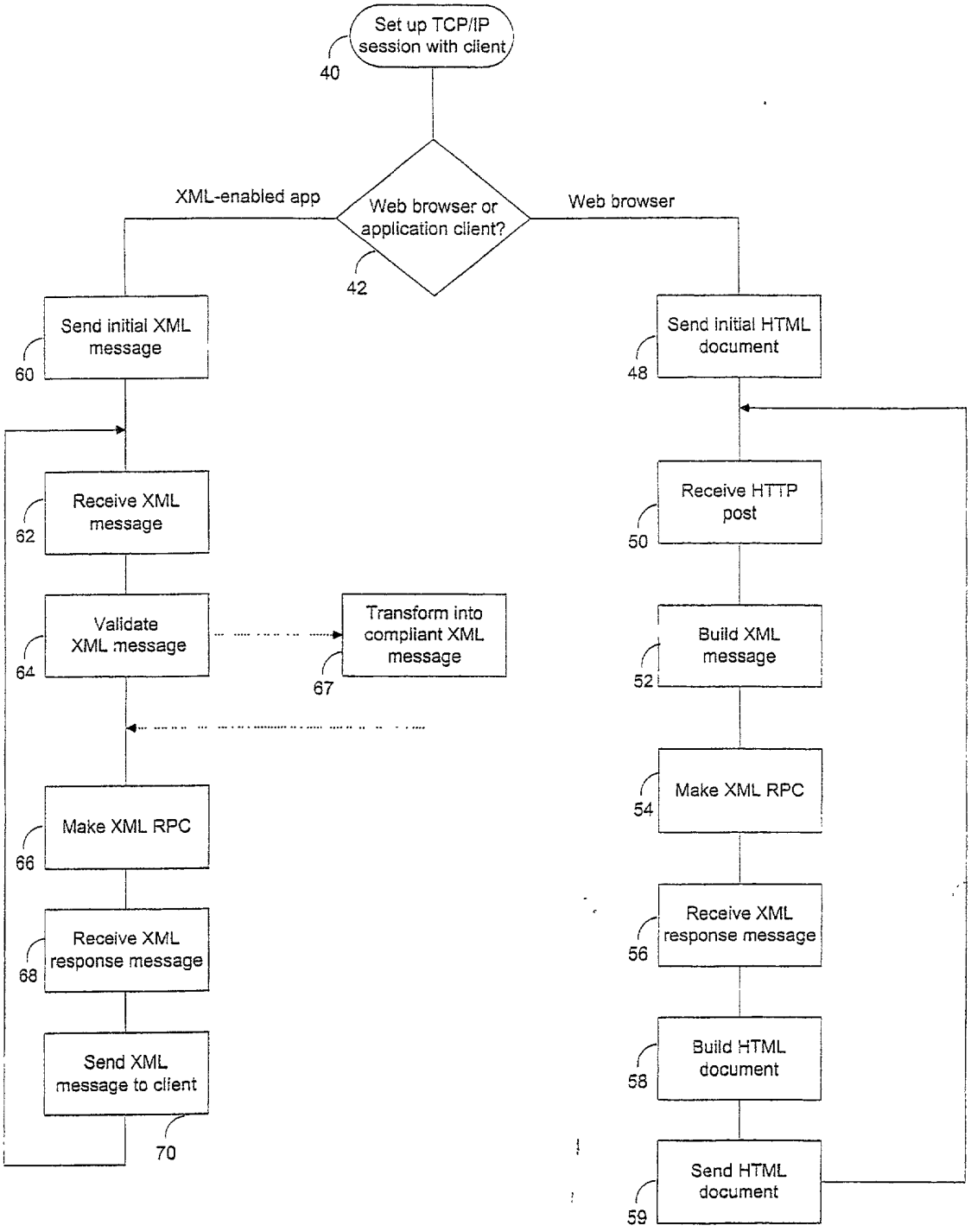

Set up TCP/IP session with client
40
Web browser or application client?
42
XML-enabled app
Web browser
Send initial XML message
60
Receive XML message
62
Validate XML message
64
Transform into compliant XML message
67
Make XML RPC
66
Receive XML response message
68
Send XML message to client
70
Send initial HTML document
48
Receive HTTP post
50
Build XML message
52
Make XML RPC
54
Receive XML response message
56
Build HTML document
58
Send HTML document
59

Figure 3

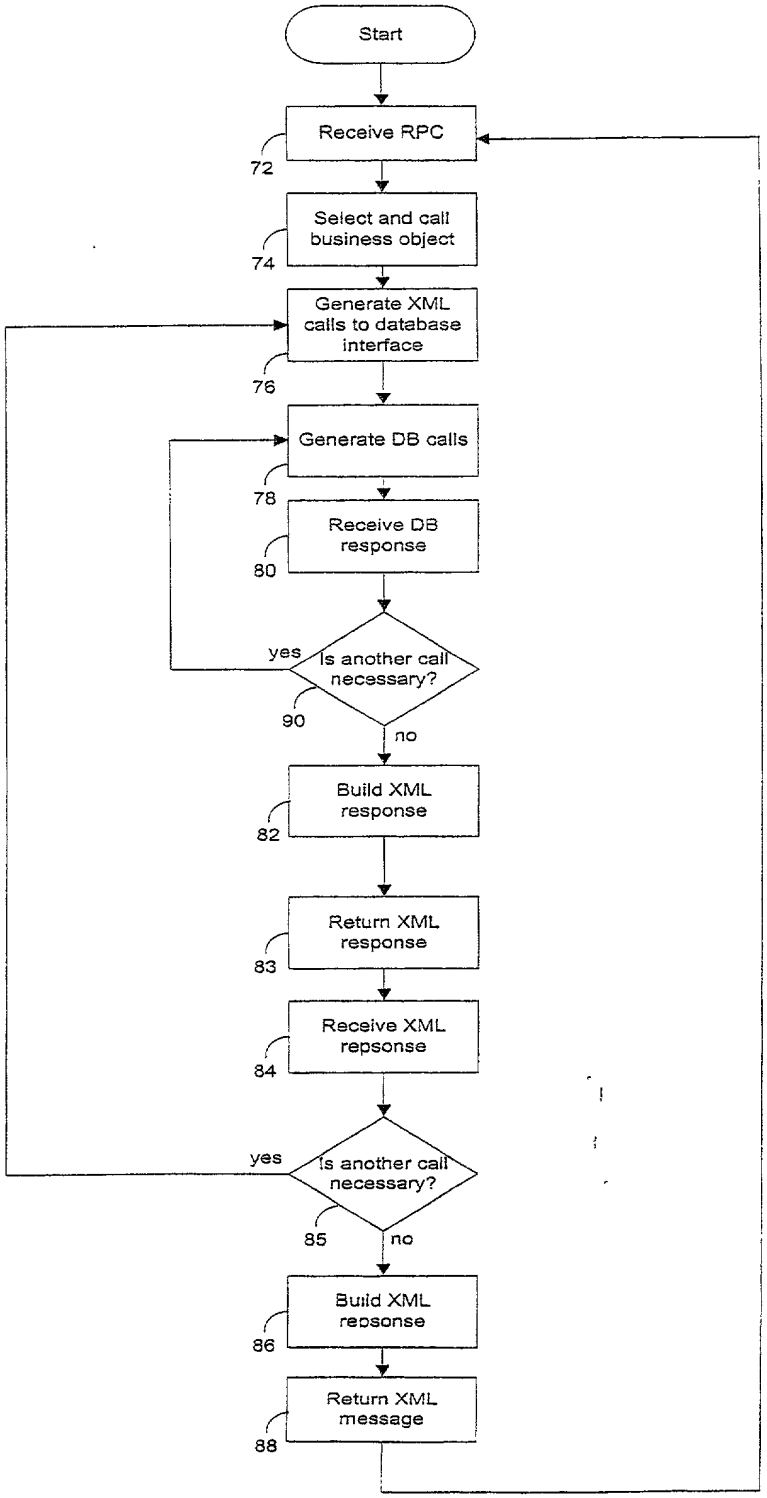

Start
Receive RPC
72
Select and call business object
74
Generate XML calls to database interface
76
Generate DB calls
78
Receive DB response
80
yes
Is another call necessary?
90
no
Build XML response
82
Return XML response
83
Receive XML repsonse
84
yes
Is another call necessary?
85
no
Build XML repsonse
86
Return XML message
88

Figure 4

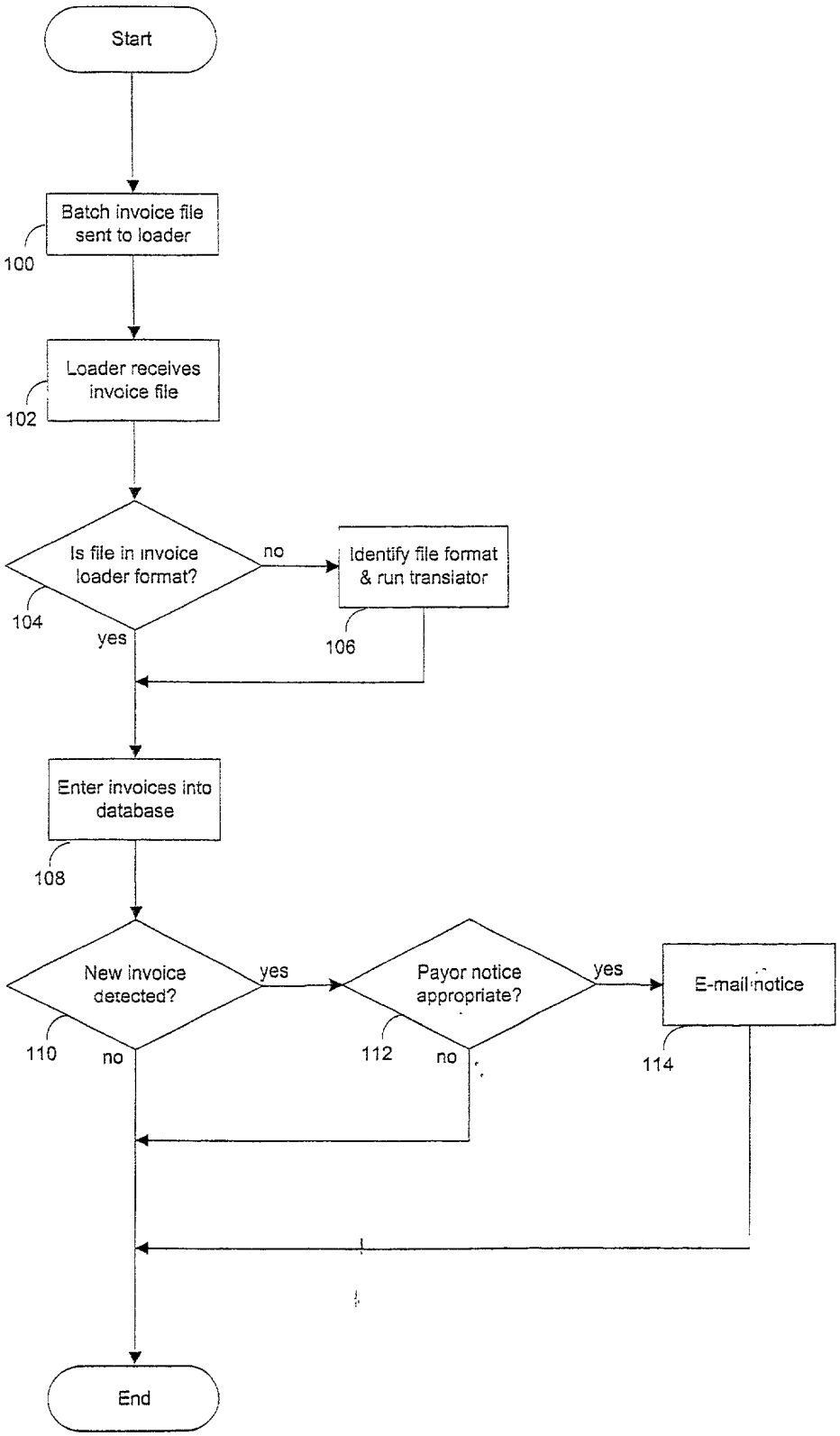

Start
Batch invoice file sent to loader
100
Loader receives invoice file
102
Is file in invoice loader format?
104
no
yes
Identify file format & run translator
106
Enter invoices into database
108
New invoice detected?
110
yes
no
Payor notice appropriate?
112
yes
no
E-mail notice
114
End

Figure 5

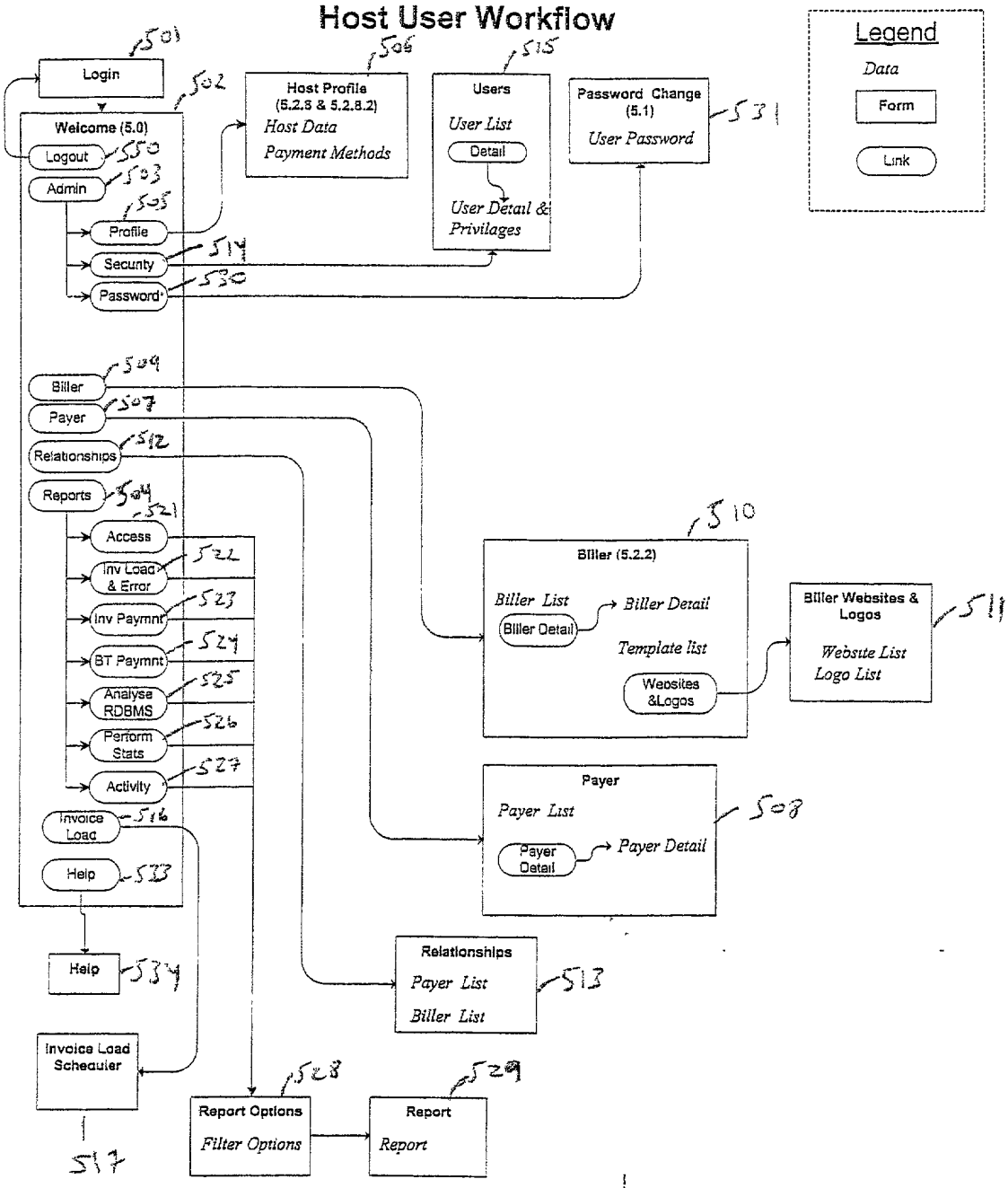

Host User Workflow
Legend
Data
Form
Link
501
Login
502
Welcome (5.0)
Logout
550
Admin
503
505
Profile
Security
514
Password
530
506
Host Profile
(5.2.8 & 5.2.8.2)
Host Data
Payment Methods
515
Users
User List
Detail
User Detail & Privilages
Password Change
(5.1)
User Password
531
509
Biller
507
Payer
512
Relationships
504
Reports
521
Access
522
Inv Load & Error
523
Inv Paymnt
524
BT Paymnt
525
Analyse RDBMS
526
Perform Stats
527
Activity
516
Invoice Load
533
Help
534
Help
510
Biller (5.2.2)
Biller List
Biller Detail
Biller Detail
Template list
Websites &Logos
511
Biller Websites & Logos
Website List
Logo List
508
Payer
Payer List
Payer Detail
Payer Detail
513
Relationships
Payer List
Biller List
Invoice Load Scheduler
517
528
Report Options
Filter Options
529
Report
Report

Figure 6

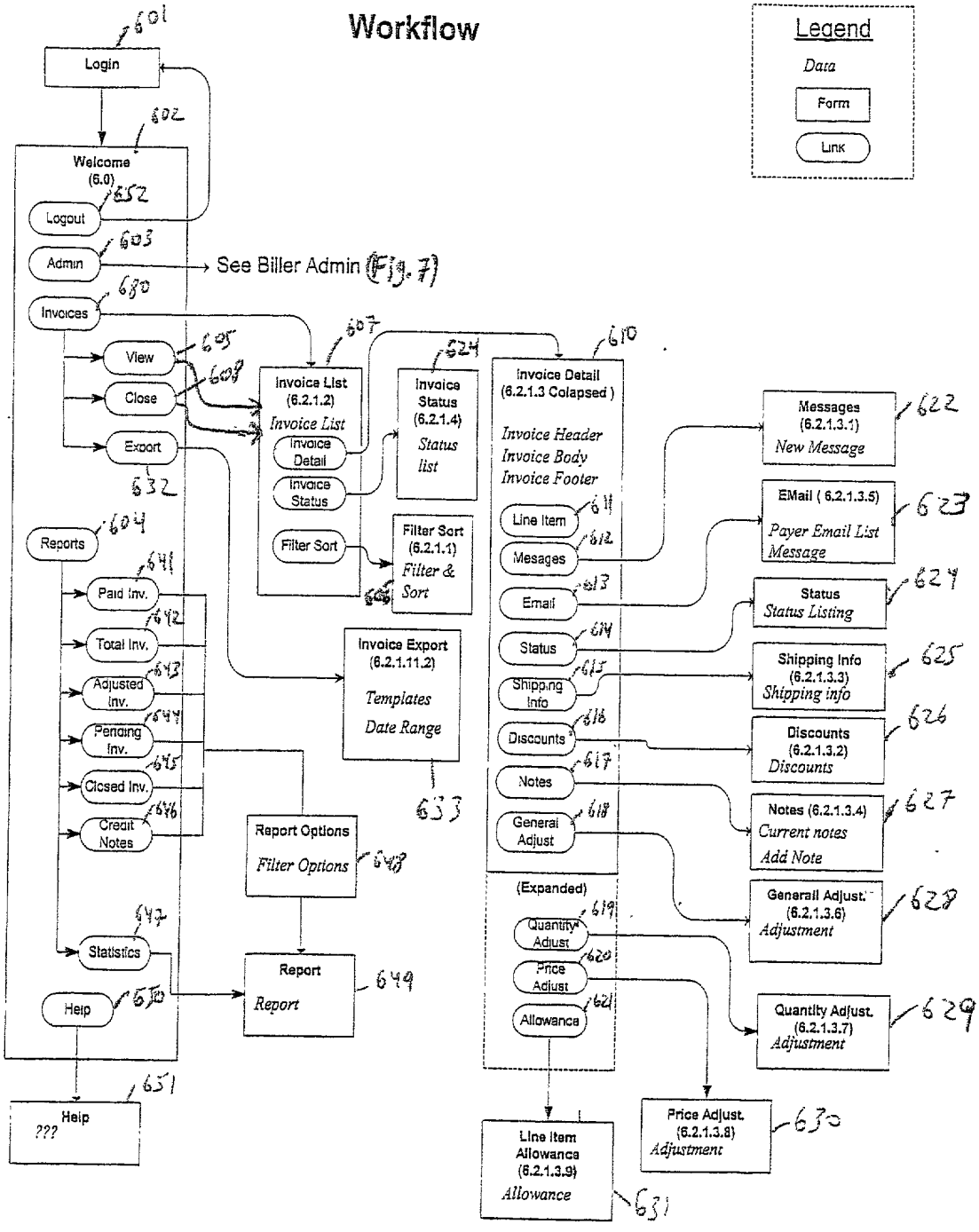

Biller Workflow
Legend
Data
Form
Link
Login
Welcome (6.0)
Logout
Admin
See Biller Admin (Fig. 7)
Invoices
View
Close
Export
Reports
Paid Inv.
Total Inv.
Adjusted Inv.
Pending Inv.
Closed Inv.
Credit Notes
Statistics
Help
Help ???
Invoice List (6.2.1.2) Invoice List
Invoice Detail
Invoice Status
Filter Sort
Invoice Status (6.2.1.4) Status list
Filter Sort (6.2.1.1) Filter & Sort
Invoice Export (6.2.1.11.2) Templates Date Range
Report Options Filter Options
Report Report
Invoice Detail (6.2.1.3 Colapsed) Invoice Header Invoice Body Invoice Footer
Line Item
Mesages
Email
Status
Shipping Info
Discounts
Notes
General Adjust
(Expanded)
Quantity Adjust
Price Adjust
Allowance
Line Item Allowance (6.2.1.3.9) Allowance
Price Adjust. (6.2.1.3.8) Adjustment
Quantity Adjust. (6.2.1.3.7) Adjustment
Generall Adjust. (6.2.1.3.6) Adjustment
Notes (6.2.1.3.4) Current notes Add Note
Discounts (6.2.1.3.2) Discounts
Shipping Info (6.2.1.3.3) Shipping info
Status Status Listing
EMail (6.2.1.3.5) Payer Email List Message
Messages (6.2.1.3.1) New Message

Figure 7

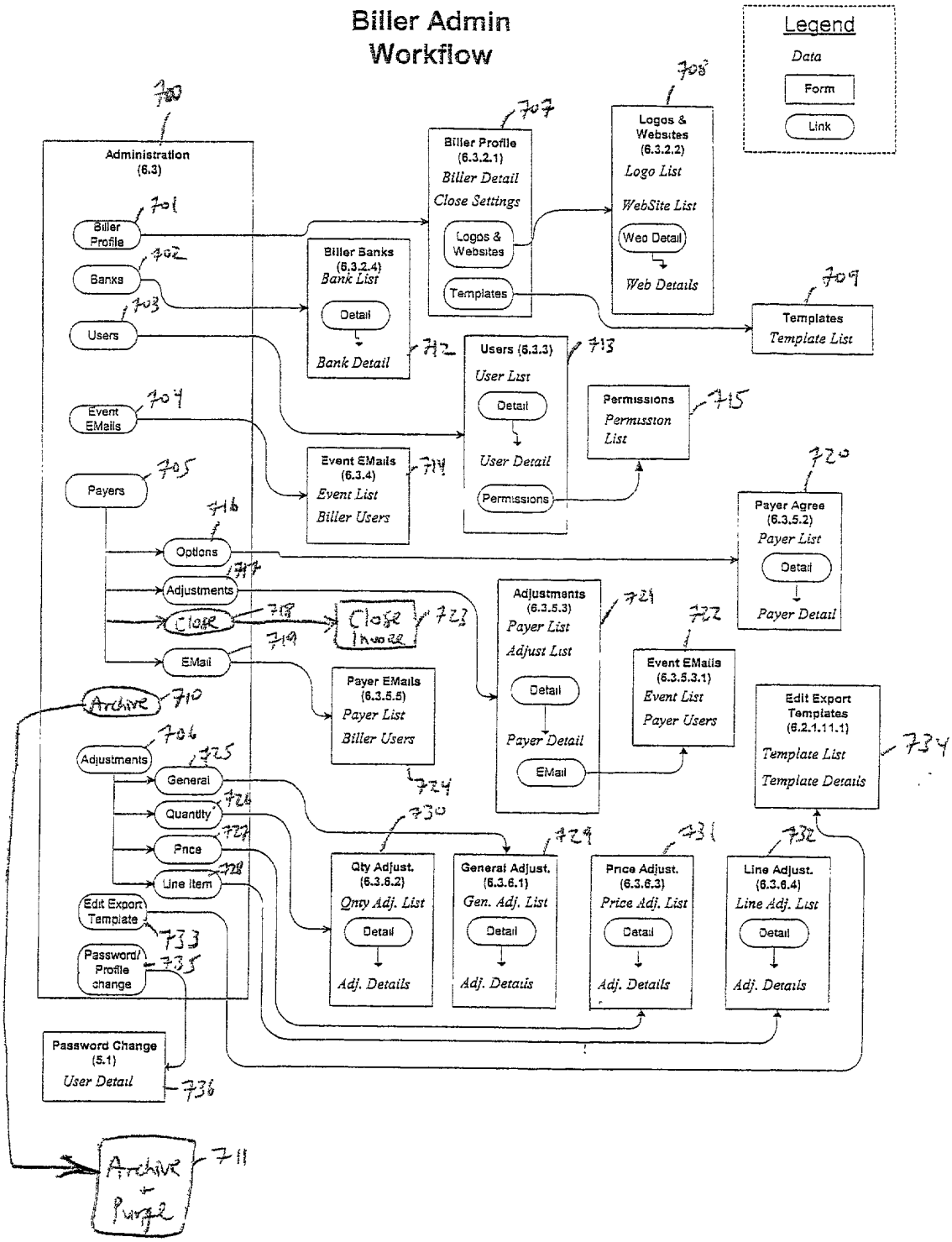

Biller Admin Workflow
Legend
Data
Form
Link
Administration (6.3)
Biller Profile
Banks
Users
Event EMails
Payers
Adjustments
Archive
Adjustments
Password/ Profile change
Password Change (5.1)
User Detail
Biller Profile (6.3.2.1)
Biller Detail
Close Settings
Logos & Websites
Templates
Logos & Websites (6.3.2.2)
Logo List
WebSite List
Web Detail
Web Details
Templates
Template List
Biller Banks (6.3.2.4)
Bank List
Detail
Bank Detail
Users (6.3.3)
User List
Detail
User Detail
Permissions
Permissions
Permission List
Event EMails (6.3.4)
Event List
Biller Users
Options
Adjustments
Close
EMail
Close Invoice
Payer EMails (6.3.5.5)
Payer List
Biller Users
Adjustments (6.3.5.3)
Payer List
Adjust List
Detail
Payer Detail
EMail
Event EMails (6.3.5.3.1)
Event List
Payer Users
Payer Agree (6.3.5.2)
Payer List
Detail
Payer Detail
Edit Export Templates (6.2.1.11.1)
Template List
Template Details
Archive
Purge
General
Quantity
Price
Line Item
Edit Export Template
Qty Adjust. (6.3.6.2)
Qnty Adj. List
Detail
Adj. Details
General Adjust. (6.3.6.1)
Gen. Adj. List
Detail
Adj. Details
Price Adjust. (6.3.6.3)
Price Adj. List
Detail
Adj. Details
Line Adjust. (6.3.6.4)
Line Adj. List
Detail
Adj. Details

Figure 8

Payer Workflow

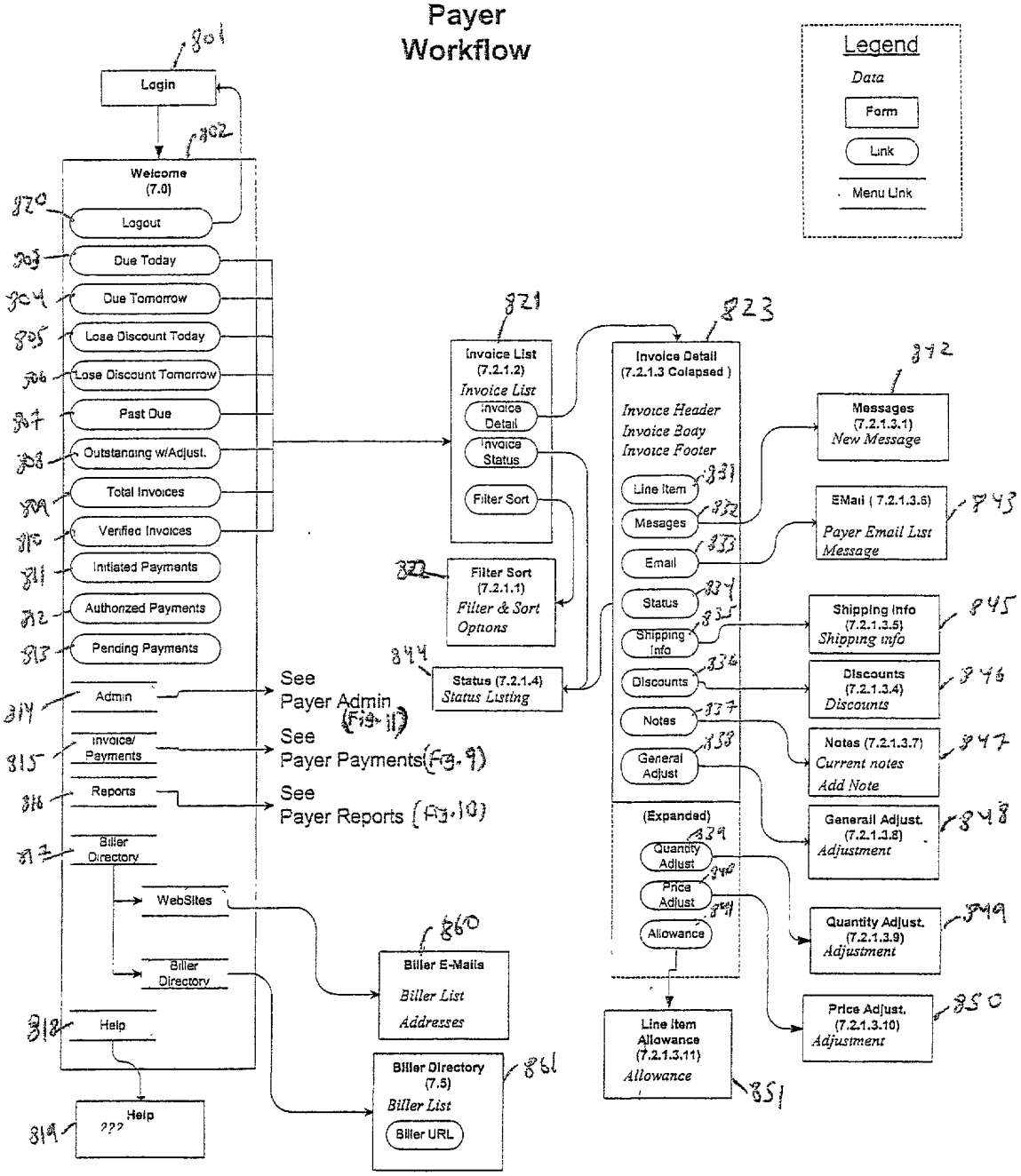


Figure 9

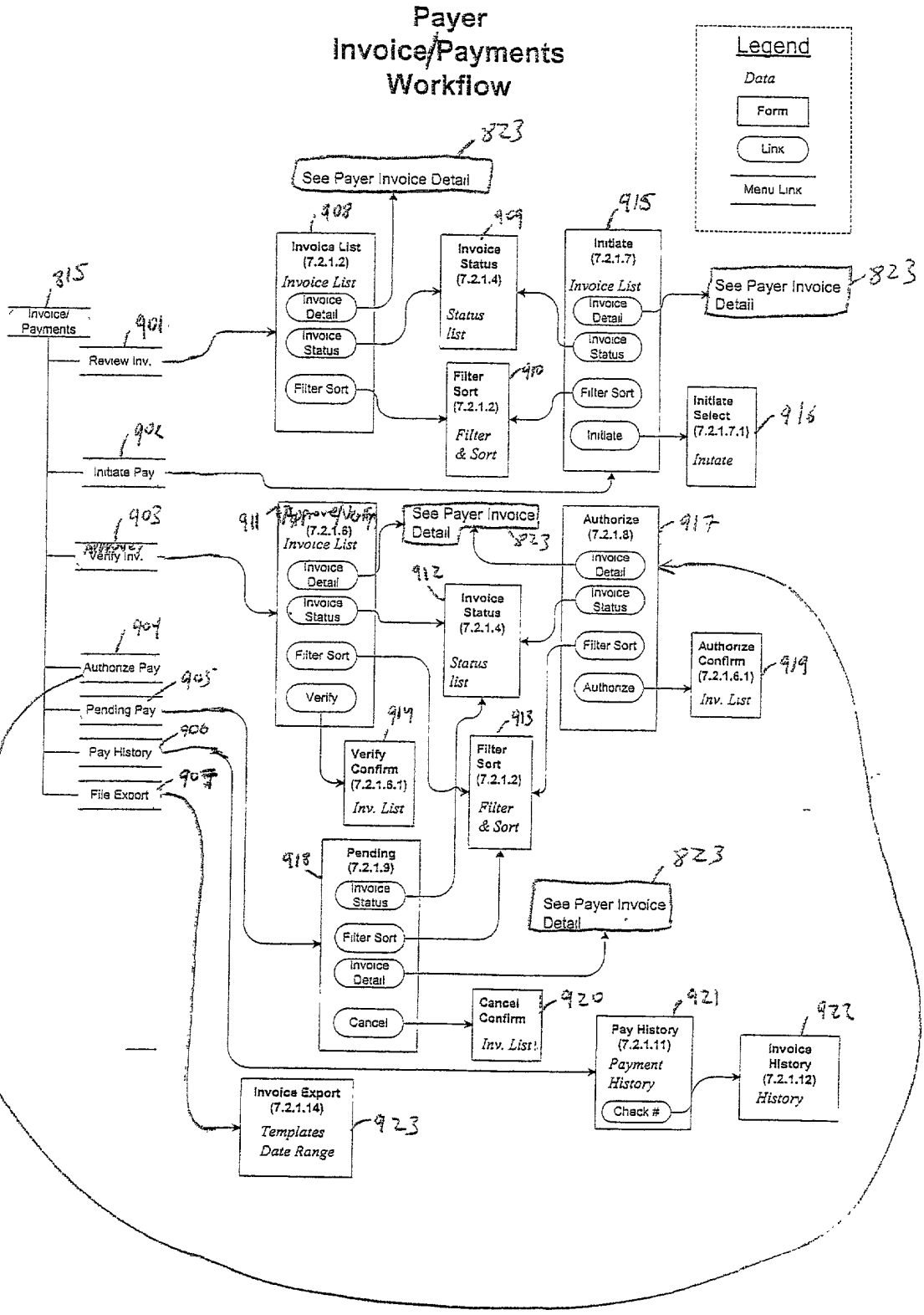
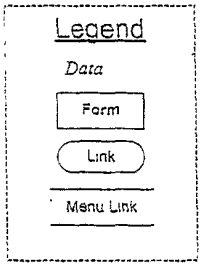

Payer
Invoice/Payments
Workflow
Legend
Data
Form
Link
Menu Link
See Payer Invoice Detail
823
Invoice/ Payments
315
Review Inv.
901
Initiate Pay
902
Verify Inv.
903
Authorize Pay
904
Pending Pay
905
Pay History
906
File Export
907
Invoice List (7.2.1.2) Invoice List
Invoice Detail
Invoice Status
Filter Sort
908
Invoice Status (7.2.1.4) Status list
909
Filter Sort (7.2.1.2) Filter & Sort
910
Initiate (7.2.1.7) Invoice List
915
Initiate
Initiate Select (7.2.1.7.1) Initate
916
Verify (7.2.1.6) Invoice List
911
Verify
Authorize (7.2.1.8)
917
Authorize
Authorize Confirm (7.2.1.6.1) Inv. List
919
Verify Confirm (7.2.1.6.1) Inv. List
914
Pending (7.2.1.9)
918
Cancel
Cancel Confirm Inv. List
920
Pay History (7.2.1.11) Payment History
Check #
921
Invoice History (7.2.1.12) History
922
Invoice Export (7.2.1.14) Templates Date Range
923

Figure 10

Payer Report Workflow



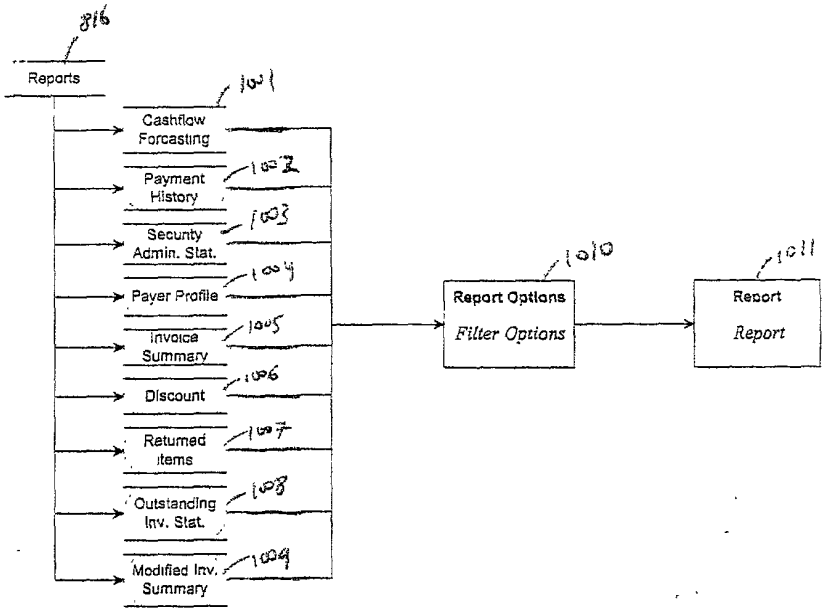
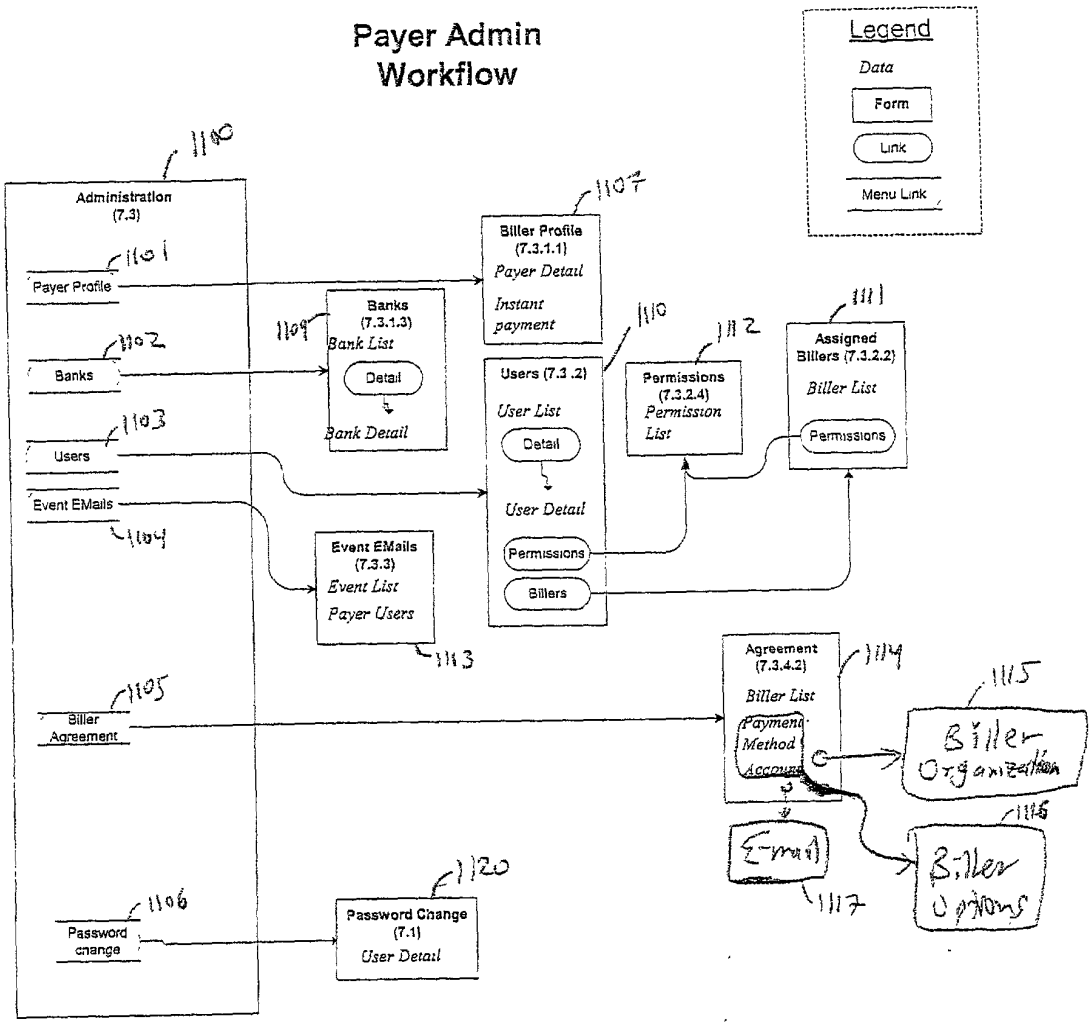


Figure 11

Payer Admin Workflow